

Claims

1. A skin dressing, comprising a first dressing component carrying oxidoreductase enzyme in dried condition; and a second dressing component carrying a source of water, such that when the first and second dressing components are placed in fluid communication with each other, water migrates from the second component towards the first component and acts to hydrate enzyme carried by the first component, at least at the surface of the first component.
2. A dressing according to claim 1, wherein the oxidoreductase enzyme comprises glucose oxidase.
3. A dressing according to claim 1 or 2, including a source of substrate for the oxidoreductase enzyme.
4. A dressing according to claim 3, wherein the substrate is present in the second dressing component.
5. A dressing according to any one of the preceding claims, including a supply of iodide ions.
6. A dressing according to any one of the preceding claims, wherein the first component and second component are in the form of layers.
7. A dressing according to any one of the preceding claims, wherein the first component comprises a support or carrier carrying enzyme.
8. A dressing according to claim 7, wherein the support or carrier comprises dried hydrogel material.

9. A dressing according to claim 8, wherein the hydrogel comprises hydrophilic polymer material.
10. A dressing according to claim 9, wherein the polymer comprises poly-2-acrylamido-2-methylpropane sulphonic acid and/or salts thereof.
11. A dressing according to claim 9 or 10, wherein the hydrophilic polymer material is present at a concentration of at least 1%, preferably at least 2%, more preferably at least 5%, possibly at least 10%, by weight based on the total weight of the gel.
12. A dressing according to any one of the preceding claims, wherein the second dressing component comprises a support or carrier carrying water.
13. A dressing according to claim 12, wherein the second component comprises a hydrated hydrogel.
14. A dressing according to claim 13, wherein the hydrated hydrogel comprises poly(-2-acrylamido-2-methylpropane sulphonic acid) and/or salts thereof.
15. A dressing according to claim 14, wherein the second component comprises a hydrated hydrogel comprising 20% by weight of poly(-2-acrylamido-2-methylpropane sulphonic acid) and/or a salt or salts.
16. A dressing according to claim 13, 14 or 15, wherein the hydrated hydrogel contains at least 30% by weight water.
17. A dressing according to claim 15, wherein the hydrated hydrogel contains about 60% by weight of water.

18. A dressing according to any one of the preceding claims, wherein the first and second components both include gel supports comprising the same polymer.
19. A dressing according to any one of the preceding claims, wherein the first and second components both include polymers that are functionally similar to each other in terms of hydration and water binding behaviour.
20. A dressing according to claim 19, wherein where the second component includes a support of poly(-2-acrylamido-2-methylpropane sulphonic acid) and/or a salt or salts thereof, and the first component includes polyvinyl alcohol.
21. A dressing according to any one of the preceding claims, wherein the first component includes monomers that are identical or similar to monomers from which a polymeric support of the second component is formed.
22. A dressing according to any one of the preceding claims, wherein the first dressing component includes one or more hydration enhancers.
23. A dressing according to claim 22, wherein the hydration enhancer is selected from dried sugars, especially sucrose and trehalose, glycerol and sorbitol.
24. A dressing according to any one of the preceding claims, wherein the first component comprises a support of dried hydrogel formed from 10% by weight poly(-2-acrylamido-2-methylpropane sulphonic) acid and/or a salt or salts thereof, carrying enzyme, and the second component comprises a support of hydrated hydrogel comprising 20% by weight of poly(-2-acrylamido-2-methylpropane sulphonic acid) and/or a salt or salts thereof.
25. A dressing according to any one of the preceding claims, wherein the first and/or second component includes one or more moisturiser materials.

26. A dressing according to any one of the preceding claims, including a covering or outer layer for adhering the dressing to the skin of a human or animal subject

27. A dressing according to any one of the preceding claims, wherein the first and second components are separately sealed in respective packages prior to use.